Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	06/22/2017 10:50 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124288	-1	1.47	124112	1.44
Blue	F	SSC	125000	123627	-2	3.31	123856	3.05
Blue	E	FITC	23355	22684	-3	2.48	1013	10.51
Blue	D	PE	28848	28461	-2	1.98	1030	9.76
Blue	B	PerCP-Cy5-5	47791	46664	-3	3.41	1340	16.47
Blue	A	PE-Cy7	41358	40869	-2	4.98	631	34.96
Red	C	APC	51316	50490	-2	2.70	2919	9.33
Red	A	APC-Cy7	53225	52829	-1	2.67	1091	11.37
Violet	B	V450	14473	13746	-6	3.64	663	9.02
Violet	A	V500	59973	58849	-2	3.34	2613	6.36

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19878	3.17	607	9	N/A	N/A	Pass
Blue	F	SSC	61330	1.97	540	6	N/A	N/A	Pass
Blue	E	FITC	115	44.31	542	-2	0.0210	512	Pass
Blue	D	PE	228	29.31	538	0	0.1666	286	Pass
Blue	B	PerCP-Cy5-5	210	45.98	626	-4	0.0110	196	Pass
Blue	A	PE-Cy7	70	117.49	679	-2	0.0123	19	Pass
Red	C	APC	343	27.64	590	-4	0.0209	99	Pass
Red	A	APC-Cy7	119	40.30	571	-5	0.0053	1385	Pass
Violet	B	V450	80	42.36	471	0	0.0426	1771	Pass
Violet	A	V500	192	24.18	503	2	0.0133	639	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.00	-31.36	0.82
Blue	20.34	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.33
Red	19.11	13.27 - 19.91	N/A	N/A	31.21	31.88	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11484

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments